

NODE=M249

 $D_1^*(2760)^0$ $I(J^P) = \frac{1}{2}(1^-)$

OMITTED FROM SUMMARY TABLE

J^P determined by AAIJ 15V from the Dalitz plot analysis of $B^- \rightarrow D^+ K^- \pi^-$ decays.

NODE=M249

 $D_1^*(2760)^0$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
2781±18±13	2k	¹ AAIJ	15V LHCb	$B^- \rightarrow D^+ K^- \pi^-$

¹ From the amplitude analysis in the model describing the $D^+ \pi^-$ wave together with virtual contributions from the $D^*(2007)^0$ and B^{*0} states, nonresonant spin-0 and spin-1 components as well as the $D_0^*(2400)^0$, $D_2^*(2460)^0$ and $D_1^*(2760)^0$ resonances.

NODE=M249M

NODE=M249M

NODE=M249M;LINKAGE=A

 $D_1^*(2760)^0$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
177±32±21	2k	¹ AAIJ	15V LHCb	$B^- \rightarrow D^+ K^- \pi^-$

¹ From the amplitude analysis in the model describing the $D^+ \pi^-$ wave together with virtual contributions from the $D^*(2007)^0$ and B^{*0} states, nonresonant spin-0 and spin-1 components as well as the $D_0^*(2400)^0$, $D_2^*(2460)^0$ and $D_1^*(2760)^0$ resonances.

NODE=M249W

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 $D_1^*(2760)^0$ DECAY MODES

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 D^+ K^-$	seen

 $D_1^*(2760)^0$ BRANCHING RATIOS

$\Gamma(D^+ K^-)/\Gamma_{\text{total}}$	DOCUMENT ID	TECN	COMMENT	Γ_1/Γ
seen	¹ AAIJ	15V LHCb	$B^- \rightarrow D^+ K^- \pi^-$	

¹ From the amplitude analysis in the model describing the $D^+ \pi^-$ wave together with virtual contributions from the $D^*(2007)^0$ and B^{*0} states, nonresonant spin-0 and spin-1 components as well as the $D_0^*(2400)^0$, $D_2^*(2460)^0$ and $D_1^*(2760)^0$ resonances.

NODE=M249215;NODE=M249

DESIG=1

NODE=M249225

NODE=M249R01

NODE=M249R01

OCCUR=2

NODE=M249R01;LINKAGE=A

 $D_1^*(2760)^0$ REFERENCES

AAIJ Also	15V PR D91 092002 PR D93 119901 (errat.)	R. Aaij <i>et al.</i>	(LHCb Collab.) JP (LHCb Collab.)
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NODE=M249

REFID=56575

REFID=57289